Attorney Docket No. 17342-002001
Serial No. 09/751,208
Amendment dated May 20, 2004
Reply to Office Action dated February 20, 2003

Amendment to the Claims:

This listing of claims replaces all prior versions, and

listings, of claims in the application:

1.   (Currently amended) An apparatus for measuring

dimensions of an object comprising:

[[(A)]] a source of microwave signals having a

predetermined amplitude and frequency, (B) transmitting means

for radiating said including an array of microwave radiating

antennas, spaced from one another along a first direction;

signals, (C) receiving means for receiving said microwave

signals,

at least one microwave receiver antenna which is located

spaced from said radiating antennas, to receive radiated

microwave signals that have passed through a space;

a processor that evaluates an output from said microwave

receiver; and

(D) a movement part which moves said radiating antennas

along a second direction which is substantially orthogonal to

said first direction during a time of scanning processor means

for evaluating such received signals.

2.   (Cancelled)

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3.   (Currently amended) The apparatus of claim [[2]] 1, in which ~~such miniature~~ said radiating antennas are horizontally polarized.

4.   (Currently amended) The apparatus of claim 1, in which ~~such~~ said at least one of said radiating antennas or receiving antennas ~~receiving means~~ comprises an antenna array of a plurality of miniaturized antennas.

5.   (Currently amended) The apparatus of claim 4, in which ~~such~~ each of said miniature antennas are horizontally polarized.

6.   (Cancelled)

7.   (Currently amended) The apparatus of claim 1, wherein ~~such~~ said radiating antennas are arranged along ~~transmitting means and such receiving means are formed in~~ a circular configuration.

8.   (Currently amended) The apparatus of claim [[1]] 9, in which ~~such~~ said processor means calculates one or more of the following measurements of the human being's: (A) height; (B)

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head size; (C) neck; (D) chest; (E) waist; (F) hips; (G) inseam;

and (H) sleeve.

9.   (Currently amended) The apparatus of claim 1, wherein

~~such~~ said object being measured comprises a human being.

10.   (Original) The apparatus of claim 1, wherein such

processor means comprises a computer.

11.   (Currently amended) The apparatus of claim 1 further

comprising: (A) at least one ~~server~~ first computer unit; (B) a

means for relaying said measured dimensions from said processor

means to said at least one server unit; and (C) a ~~means~~ second

computer for relaying said measured dimensions from said at

least one server unit to at least one user.

12-13.   (Cancelled)

14.   (Currently amended) The method of claim [[12]]20, ~~in~~

~~which such~~ wherein said using comprises obtaining at least one

measurement value which is selected from the group consisting of

the human being's: (A) height; (B) head size; (C) neck; (D)

chest; (E) waist; (F) hips; (G) inseam; and [[(D)]] (H) sleeve

size.

15-16. (Cancelled)

17. (Currently amended) A method of uniquely identifying a

human measuring the dimensions of an object comprising:

generating microwaves,

directing the microwaves toward said object human,

measuring the unabsorbed microwave energy, and

determining the size and shape of said object human from

said unabsorbed microwave energy; and

using said size and shape to uniquely identify said human.

18. (Cancelled)

19. (Currently amended) The method of claim 17, in which

said microwaves are generated by an oscillator for generating

microwaves of a predetermined frequency in the microwave region

chosen for maximum absorption by the object human.

Kindly cancel claim 12 and substitute the following new

claims therefor.

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20.   (New) A method, comprising:

transmitting a microwave signal through a specified area through which a human subject is intended to pass;

determining locations where the microwave signal has been blocked by the human subject;

using said determined locations to uniquely identify an individual.

21.   (New) A method as in claim 20, wherein said using comprises determining body measurements using said locations, and determining ratios between different body measurements to carry out said unique identifying.

22.   (New) A method as in claim 20, wherein said transmitting a microwave signal comprises forming an array of microwave radiators along a first substantially linear direction, forming an array of microwave receivers along said first direction to receive microwave radiated by said microwave radiators; and simultaneously moving said microwave radiators and said microwave receivers along a second linear direction that is substantially orthogonal to said first linear direction.

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23.   (New) A method as in claim 22, wherein said radiators and receivers are each located along the perimeter of a hollow disk which is linear in said first direction, and round in outer circumference.

24.   (New) A method as in claim 22, wherein said radiators and receivers are each located along a substantially straight line.

25.   (New) A method as in claim 1, wherein said processing evaluates the output from the microwave receiver to determine characteristics of a human located in said space, which has been scanned by said microwave signals, and to uniquely identify said human.

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